

## EAST Search History

| Ref # | Hits    | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|---------|--|---|------------------|---------|------------------|
| S1    | 599     | 361/106.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/04/06 08:06 |
| S2    | 2468696 | telephone (telephone adj (line lines)) telecommunication\$1 communication\$1 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/04/06 11:10 |
| S3    | 15088   | S2 and (thermistor thermistors PTC PTCs)                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/04/07 11:08 |
| S4    | 6022    | S3 and (protect protecting protection protected)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/04/05 14:33 |
| S5    | 6267    | S3 and (protect protecting protection protected protects)                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/04/07 11:07 |
| S6    | 5791    | S5 and temperature   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/04/05 14:34 |
| S7    | 2779    | S2 same (thermistor thermistors PTC PTCs)                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/04/05 14:36 |
| S8    | 310     | S7 same (protect protecting protection protected protects)                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/04/05 14:44 |

## EAST Search History

|     |         |  |   |    |     |                  |
|-----|---------|--|---|----|-----|------------------|
| S9  | 5       | ((("5410596") or ("5867083") or ("6040972") or ("5407901") or ("4203006")).PN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/04/05 15:03 |
| S10 | 15      | ("4467310"   "4661979"   "4695916"   "4878038"   "4964160"   "5057964"   "5146384"   "5198794"   "5198957"   "5204799").PN. OR ("6040972").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/04/05 14:48 |
| S11 | 8       | ("3978443"   "4494104"   "5204799"   "5254969"   "5379022").PN. OR ("5867083").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/04/05 14:59 |
| S12 | 5       | ((("5410596") or ("5867083") or ("6040972") or ("6407901") or ("4203006")).PN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/04/05 15:03 |
| S13 | 3       | (US-5867083-\$ or US-4683515-\$ or US-5204799-\$).did.   | USPAT   | OR | OFF | 2006/04/06 09:04 |
| S14 | 3       | (US-5867083-\$ or US-4683515-\$ or US-5204799-\$).did.   | USPAT   | OR | OFF | 2006/04/06 09:04 |
| S15 | 210     | ((protect protection protecting protected) same (communication telecommunication)).ti.   | US-PGPUB;<br>USPAT  | OR | OFF | 2006/04/06 09:13 |
| S16 | 15      | ("4467310"   "4661979"   "4695916"   "4878038"   "4964160"   "5057964"   "5146384"   "5198794"   "5198957"   "5204799").PN. OR ("6040972").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/04/06 09:25 |
| S17 | 2470792 | telephone (telephone adj (line lines)) telecommunication\$1 communication\$1   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/07 15:06 |
| S18 | 257918  | S17 and (protect protecting protecting protected protects)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/06 11:47 |
| S19 | 4893    | S18 and (thermistor thermistors PTC PTCs)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/06 11:47 |

## EAST Search History

|     |       |   |   |    |     |                  |
|-----|-------|---|---|----|-----|------------------|
| S20 | 4535  | S19 and (temperature)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/06 11:48 |
| S21 | 3150  | S20 and (resistance)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/06 11:48 |
| S22 | 1493  | S21 and housing   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/06 11:48 |
| S23 | 888   | S21 and ((room adj temperature)<br>(room near temperature) ("25" adj<br>degrees) ("25" near C)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/06 11:54 |
| S24 | 674   | S23 and (input output (input adj<br>terminal) (output adj terminal))                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/06 11:56 |
| S25 | 314   | S24 and (resistor\$1)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/06 11:57 |
| S26 | 36812 | (communication telecommunication)<br>same (protect\$5)  | US-PGPUB;<br>USPAT  | OR | OFF | 2006/04/06 12:13 |
| S27 | 1490  | S26 same temperature  | US-PGPUB;<br>USPAT  | OR | OFF | 2006/04/06 12:14 |
| S28 | 161   | S27 same resistance'  | US-PGPUB;<br>USPAT  | OR | OFF | 2006/04/06 12:14 |
| S29 | 161   | S27 same resistance   | US-PGPUB;<br>USPAT  | OR | OFF | 2006/04/06 12:14 |
| S30 | 0     | S29 same (roon near temperature)  | US-PGPUB;<br>USPAT  | OR | OFF | 2006/04/06 12:14 |
| S31 | 118   | S26 same (thermistor thermistors<br>PTC PTCs)   | US-PGPUB;<br>USPAT  | OR | OFF | 2006/04/06 12:15 |

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|     |     |  |                              |    |     |                  |
|-----|-----|--|------------------------------|----|-----|------------------|
| S32 | 8   | ("4903295"   "5555153"   "5909349"   "6031706"   "6040972").PN. OR ("6377435").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/04/06 12:26 |
| S33 | 27  | ("2010814"   "2382024"   "2609644"   "3768157"   "3914727"   "4024427"   "4031499"   "4099154"   "4200970"   "4210800"   "4419564"   "4434416"   "4730103"   "4792779"   "4959505"   "5057964"   "5142265"   "5218336"   "5233326"   "5510594"   "5990779").PN. OR ("6188307").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/04/06 13:57 |
| S34 | 177 | housing with inflammable   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/04/06 13:58 |
| S35 | 42  | S34 and (communication telecommunication)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/04/06 13:58 |
| S36 | 20  | S35 and (protect\$4)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/04/06 13:58 |
| S37 | 10  | (US-20050007709-\$).did. or (US-5867083-\$ or US-4683515-\$ or US-5204799-\$ or US-6040972-\$ or US-D292089-\$ or US-6377435-\$ or US-6980411-\$ or US-6188307-\$ or US-5798685-\$).did.   | US-PGPUB;<br>USPAT           | OR | OFF | 2006/04/06 15:21 |
| S38 | 4   | S37 and (printed adj circuit adj board)  | US-PGPUB;<br>USPAT           | OR | OFF | 2006/04/06 15:21 |
| S39 | 90  | (data adj terminal) same ((printed adj circuit adj board) PCB)   | US-PGPUB;<br>USPAT           | OR | OFF | 2006/04/07 08:53 |
| S40 | 56  | S39 and (communica\$4 telecommunica\$4)  | US-PGPUB;<br>USPAT           | OR | OFF | 2006/04/07 08:56 |
| S41 | 20  | S40 and (protect\$5)   | US-PGPUB;<br>USPAT           | OR | OFF | 2006/04/07 08:53 |
| S42 | 36  | S40 not S41  | US-PGPUB;<br>USPAT           | OR | OFF | 2006/04/07 08:56 |
| S43 | 10  | (US-20050007709-\$).did. or (US-6040972-\$ or US-5867083-\$ or US-4683515-\$ or US-6377435-\$ or US-6188307-\$ or US-5798685-\$ or US-6980411-\$ or US-5204799-\$ or US-D292089-\$).did.   | US-PGPUB;<br>USPAT           | OR | OFF | 2006/04/07 09:01 |
| S44 | 4   | S43 and (pcb (printed adj circuit adj board))  | US-PGPUB;<br>USPAT           | OR | OFF | 2006/04/07 11:06 |
| S45 | 3   | S44 and (data adj terminal (terminal))   | US-PGPUB;<br>USPAT           | OR | OFF | 2006/04/07 09:02 |

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|     |         |  |   |    |     |                  |
|-----|---------|--|---|----|-----|------------------|
| S46 | 30      | (housing case) near (flammable)  | US-PGPUB;<br>USPAT  | OR | OFF | 2006/04/07 11:06 |
| S47 | 3       | (housing ) near (flammable)  | US-PGPUB;<br>USPAT  | OR | OFF | 2006/04/07 11:07 |
| S48 | 2470792 | telephone (telephone adj (line lines)) telecommunication\$1 communication\$1 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/07 11:07 |
| S49 | 332723  | S48 and (protect protecting protection protected protects)                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/07 11:07 |
| S50 | 6275    | S49 and (thermistor thermistors PTC PTCs)                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/07 15:05 |
| S51 | 5516    | S50 and (housing housed case casing)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/07 11:09 |
| S52 | 0       | S50 and ((housing housed case casing) near (flammable inflamm\$5))\          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/07 11:10 |
| S53 | 0       | S50 and ((housing housed case casing) near (flammable inflamm\$5))           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/07 11:13 |
| S54 | 54      | S50 and ((housing housed case casing) same (flammable inflamm\$5))           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/04/07 11:13 |
| S55 | 3       | housing near inflammable   | US-PGPUB;<br>USPAT  | OR | OFF | 2006/04/10 09:18 |
| S56 | 4       | housing near (flammable nonflammable)  | US-PGPUB;<br>USPAT  | OR | OFF | 2006/04/10 09:18 |

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|     |       |   |   |    |     |                  |
|-----|-------|---|---|----|-----|------------------|
| S57 | 10    | (US-20050007709-\$).did. or<br>(US-6040972-\$ or US-5867083-\$ or<br>US-4683515-\$ or US-6377435-\$ or<br>US-5798685-\$ or US-6188307-\$ or<br>US-5204799-\$ or US-D292089-\$ or<br>US-6980411-\$).did. | US-PGPUB;<br>USPAT  | OR | OFF | 2006/04/10 10:03 |
| S58 | 0     | S57 and (automat\$4 same insert\$4)   | US-PGPUB;<br>USPAT  | OR | OFF | 2006/04/10 10:49 |
| S59 | 6     | automated adj component adj<br>insertion adj machine  | US-PGPUB;<br>USPAT  | OR | OFF | 2006/04/10 10:51 |
| S60 | 91271 | housing same (telecommunication<br>communication)   | US-PGPUB;<br>USPAT  | OR | OFF | 2006/04/12 10:16 |
| S62 | 2938  | S60 same (telephone phone).   | US-PGPUB;<br>USPAT  | OR | OFF | 2006/04/12 10:17 |
| S63 | 114   | S62 same (protect protecting<br>protection)   | US-PGPUB;<br>USPAT  | OR | OFF | 2006/04/12 10:17 |
| S64 | 2     | ("0292089").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/04/12 11:41 |
| S65 | 1     | ("D292089").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/04/12 11:42 |
| S66 | 1     | ("6183304").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/10/14 13:46 |
| S67 | 592   | (361/106).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2007/04/05 14:02 |
| S68 | 121   | S67 and (thermistor\$1)   | US-PGPUB;<br>USPAT  | OR | ON  | 2007/04/05 14:05 |
| S69 | 2671  | (thermistor\$1) same (housing)  | US-PGPUB;<br>USPAT  | OR | ON  | 2007/04/05 14:05 |
| S70 | 370   | S69 same (terminal\$1)  | US-PGPUB;<br>USPAT  | OR | ON  | 2007/04/05 15:25 |
| S71 | 1     | thermistor\$1 and (housing same<br>(voltage adj proof\$2))  | US-PGPUB;<br>USPAT  | OR | ON  | 2007/04/05 15:26 |
| S72 | 15    | (housing same (voltage adj<br>proof\$2))  | US-PGPUB;<br>USPAT  | OR | ON  | 2007/04/05 15:29 |
| S73 | 1     | S72 and (thermistor)  | US-PGPUB;<br>USPAT  | OR | ON  | 2007/04/05 15:28 |
| S74 | 97    | (thermistor\$1) and (housing casing)<br>and ("LCP" "liquid crystal polymer")  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/06 16:04 |

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|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S75 | 3   | (thermistor\$1) same (housing casing) same ("LCP" "liquid crystal polymer") | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/06 16:05 |
| S76 | 0   | (thermistor\$1) same (housing casing) same ("LCP" "liquid crystal polymer") | US-PGPUB;<br>USPAT  | OR | OFF | 2007/04/06 16:05 |
| S77 | 94  | (thermistor\$1) and (housing casing) and ("LCP" "liquid crystal polymer")   | US-PGPUB;<br>USPAT  | OR | OFF | 2007/04/06 16:06 |
| S78 | 0   | (thermistor\$1) same (housing casing) same ("LCP" "liquid crystal polymer") | US-PGPUB;<br>USPAT  | OR | OFF | 2007/04/06 16:05 |
| S79 | 880 | (housing casing) same ("LCP" "liquid crystal polymer")                      | US-PGPUB;<br>USPAT  | OR | OFF | 2007/04/06 16:06 |
| S80 | 18  | S79 and (thermistor\$1)   | US-PGPUB;<br>USPAT  | OR | OFF | 2007/04/06 16:06 |
| S81 | 1   | ("6188307").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2007/04/06 16:10 |
| S82 | 17  | housing near (LCP (liquid adj crystal adj polymer))                         | US-PGPUB;<br>USPAT  | OR | OFF | 2007/04/09 09:59 |
| S83 | 0   | S82 same (thermistor\$1)  | US-PGPUB;<br>USPAT  | OR | OFF | 2007/04/09 09:41 |
| S84 | 0   | S82 and (thermistor\$1)   | US-PGPUB;<br>USPAT  | OR | OFF | 2007/04/09 09:41 |
| S85 | 0   | S82 same (temperature adj sensor)   | US-PGPUB;<br>USPAT  | OR | OFF | 2007/04/09 09:50 |
| S86 | 0   | S82 and (temperature adj sensor)  | US-PGPUB;<br>USPAT  | OR | OFF | 2007/04/09 09:50 |
| S87 | 21  | (hous\$3 casing) near (LCP (liquid adj crystal adj polymer))                | US-PGPUB;<br>USPAT  | OR | OFF | 2007/04/09 11:17 |
| S88 | 0   | S87 and (thermistor\$1)\  | US-PGPUB;<br>USPAT  | OR | OFF | 2007/04/09 10:00 |
| S89 | 9   | S87 and (temperature)   | US-PGPUB;<br>USPAT  | OR | OFF | 2007/04/09 10:00 |
| S90 | 951 | (hous\$3 casing) same (LCP (liquid adj crystal adj polymer))                | US-PGPUB;<br>USPAT  | OR | OFF | 2007/04/09 11:17 |
| S91 | 3   | S90 same (temperature adj sensor)   | US-PGPUB;<br>USPAT  | OR | OFF | 2007/04/09 11:17 |
| S92 | 1   | ("20020172259").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2007/10/09 09:26 |

## EAST Search History

|          |       |  |  |    |     |                  |
|----------|-------|--|--|----|-----|------------------|
| S93      | 84988 | (thermistor thermistors PTC PTCs)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR | OFF | 2007/11/07 15:06 |
| S94      | 63553 | S93 same (resistance temperature)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR | OFF | 2007/11/07 15:06 |
| S95      | 14765 | S94 and (telephone (telephone adj (line lines)) telecommunication\$1 communication\$1) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR | OFF | 2007/11/07 15:07 |
| S96      | 837   | S95 and (over\$1current (over adj current))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR | OFF | 2007/11/07 15:08 |
| S97      | 316   | S96 and (insulat\$3) and (protect\$3)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR | OFF | 2007/11/07 15:09 |
| S98      | 17    | ("4873507").PN. OR ("5210517").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/11/07 17:10 |
| S99      | 0     | ("8218747").PN.  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2007/11/07 17:10 |
| S10<br>0 | 0     | ("8218747").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/07 17:10 |
| S10<br>1 | 2     | 08/218,747   | US-PGPUB;<br>USPAT   | OR | ON  | 2007/11/07 17:27 |
| S10<br>2 | 1     | ("6188307").PN.  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2007/11/07 18:57 |